Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/05/2018 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124779	-1	1.48	124657	1.45
Blue	F	SSC	125000	123006	-2	3.35	123345	3.27
Blue	E	FITC	23615	22992	-3	2.55	1026	10.47
Blue	D	PE	26739	26326	-2	2.15	944	9.90
Blue	B	PerCP-Cy5-5	48339	47049	-3	3.63	1358	17.29
Blue	A	PE-Cy7	45021	44391	-2	5.31	695	35.78
Red	C	APC	53064	52545	-1	2.74	3015	9.49
Red	A	APC-Cy7	57175	56638	-1	2.69	1194	11.12
Violet	B	V450	14728	14202	-4	4.65	672	9.50
Violet	A	V500	58621	56700	-4	4.58	2511	6.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19043	2.28	608	-6	N/A	N/A	Pass
Blue	F	SSC	60683	1.44	550	4	N/A	N/A	Pass
Blue	E	FITC	111	41.08	545	-3	0.0200	191	Pass
Blue	D	PE	205	31.01	537	1	0.1726	338	Pass
Blue	B	PerCP-Cy5-5	212	45.98	634	-1	0.0096	95	Pass
Blue	A	PE-Cy7	75	121.79	693	0	0.0116	18	Pass
Red	C	APC	349	27.58	598	1	0.0201	46	Pass
Red	A	APC-Cy7	130	41.04	580	0	0.0056	1878	Pass
Violet	B	V450	82	43.80	463	-7	0.0453	2066	Pass
Violet	A	V500	180	23.05	490	-7	0.0141	358	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.58	-31.30	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	17.38	14.40 - 21.60	N/A	N/A	31.30	31.62	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10210

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments